

Serial Nb. 09/763,772

**IN THE TITLE:**

Please REPLACE the title with the below new title:

TRAINING A NEURAL NETWORK OF PULSE NEURONS FOR USES SUCH AS EEG  
SIGNAL CLASSIFICATION

**IN THE SPECIFICATION:**

The specification as amended below with replacement paragraphs shows added text with underlining and deleted text with ~~strikethrough~~.

**Please REPLACE the paragraph beginning at page 2, line 7, with the following paragraph:**

B1  
The Time Delay Neural Networks (TDNN) known from German Patent Document DE 195 31 697967 C2 attempt to counter this disadvantage in that, given a plurality of sequences of input quantities, a respective input neuron is provided for each sequence and for each time row value. This approach particularly exhibits the disadvantage that the dimension of the input space -- represented by the plurality of input neurons -- increases exponentially with an increasing plurality of different sequences of input quantities to be taken into consideration.

N.E. **Please DELETE page 6, lines 10 through page 10, line 17.**

N.E. **Please DELETE page 13, line 11.**

**Please REPLACE the paragraph beginning at page 16, line 1, with the following paragraph:**

B2  
A picture screen 228 (via a first cable 227), a keyboard 230 (via a second cable 229) and a computer mouse 232 (via a third cable 231) are also connected to the second input/output interface 225.

**Please REPLACE the paragraph beginning at page 21, line 3, with the following paragraph:**

B3  
For training in the second time span  $[0; T']$ , a second discrimination value  $I(T')$  is formed in a further step (step 103) in the same way as described above for the first discrimination value  $I(T)$ .